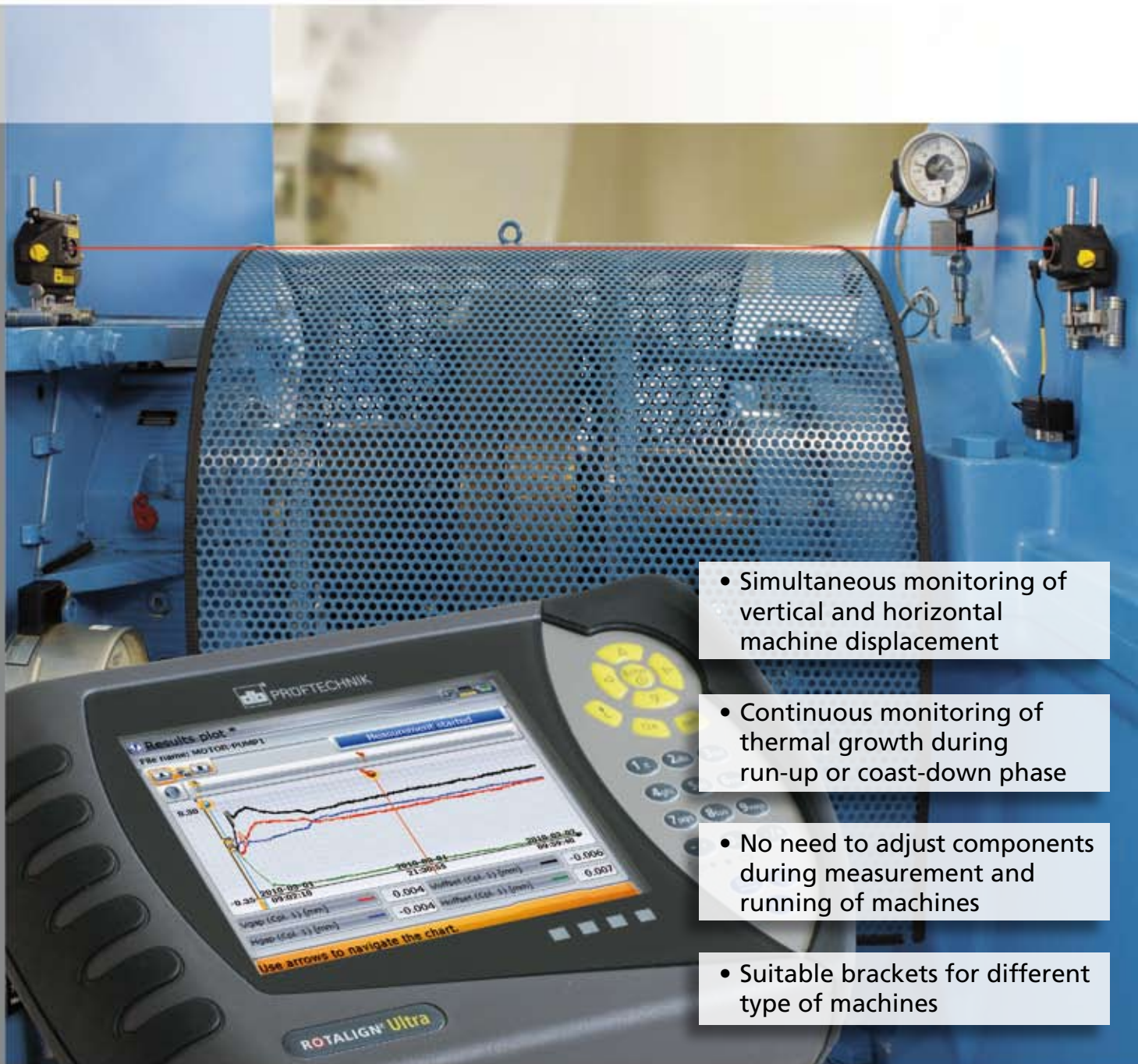


# ROTALIGN® Ultra Live Trend

Real-time measurement of machine positional change



- Simultaneous monitoring of vertical and horizontal machine displacement

- Continuous monitoring of thermal growth during run-up or coast-down phase

- No need to adjust components during measurement and running of machines

- Suitable brackets for different type of machines

# ROTALIGN® Ultra

## Live Trend add-on module

Cold alignment targets may not accurately predict the actual operating condition of a running machine. Live Trend is used to monitor movement of machines during run-up or coast-down phase, in order to determine the positional change over time and the influences of given events.

### Highlights

Continuous measurement of machine displacement

Accurate measurement of the actual thermal target values

Live display of horizontal and vertical coupling and feet values

Trend plot of horizontal and vertical coupling and feet values

Video replay of machine positional change

Flexible selection of markers to indicate events during measurement

Ability to import machine settings from the shaft alignment program

RF module for wireless data transmission between measurement sensor and computer

The unique single laser makes set-up adjustment fast and easy

Industrial protection IP 65 and IP 67

Flexible bracket configuration



This add-on module runs on the ROTALIGN® Ultra platform and utilizes the unique 5-axis sensor to monitor continuously, in real-time and simultaneously both the vertical and horizontal parallel and angular displacement of rotating machinery, from cold to hot condition or vice versa and hence determining the relative positional change between coupled machines during operation.

Running on the ROTALIGN® Ultra Shaft Expert platform, machine positional changes are monitored in real time



Available in two different bracket configurations for magnetic or permanent fixation with the optional RF module

### Reliability starts with precision alignment

The biggest contribution one can make to lower the operating costs of rotating systems is to align them correctly using the real coupling target values. Target values recommended by manufacturers do not always reflect the real thermal growth compensation values. Live Trend application helps to exactly determine the actual positional changes during run-up or coast-down phases. By applying these values, the machines are precisely aligned to reflect normal operating conditions.

And this leads to:

- ▶ Lower energy costs through reduced power consumption
- ▶ Increased mechanical life of bearings, seals, shafts and couplings
- ▶ Reduced bearing and coupling temperatures
- ▶ Minimized breaking or cracking of shafts
- ▶ Reduced vibration
- ▶ Reduced machine damage

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